

IN THE CLAIMS

Please amend claims 1-9 as follows:

1. (TWICE AMENDED) A waterborne resin solution for preparing a resin-coated steel sheet for a fuel tank of an automobile comprising:

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a mainfirst resin solution selected from the group consisting of epoxy resin, urethane resin and phenoxy resin;

melamine resin;

colloidal silica;

PTFE-based wax; and

at least one plate-type metallic powder selected from the group consisting of Al, Zn, Mn, Co, Ni, Sn and SnO₂

wherein said waterborne resin solution is substantially free of surfactant and said first resin solution comprises the largest portion by weight of all of the other components individually.

2. (TWICE AMENDED) The resin solution of claim 1, wherein said mainfirst resin solution is a water-

soluble phenoxy resin that ~~is water soluble and has a~~ number average molecular weight of 25,000 to 50,000;

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said ~~melanine~~melamine resin is added in the amount of 2 to 15 phr on the basis of said ~~main~~first solution;

said colloidal silica is added in the amount of 10 to 20 phr on the basis of said ~~main~~first solution;

said PTFE-based wax is added in the amount of 2 to 10 phr on the basis of said ~~main~~first solution; and

said metallic powder is added in the amount of 5 to 70 phr on the basis of said ~~main~~first solution.

3. (TWICE AMENDED) The resin solution of claim 2, wherein said PTFE-based wax has a particle size of 0.1 - 3 μm .

4. (CURRENTLY AMENDED) The resin solution of claim 3, wherein said metallic powder has a ~~particle size~~length along its longest axis of 0.5-5 μm .

5. (TWICE AMENDED) The method of fabricating resin-coated steel sheet for a fuel tank of an automobile comprising the steps of:

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coating a waterborne resin solution comprising a mainfirst resin solution of phenoxy resin having a number average molecular weight of 25,000 to 50,000; 2 to 15 phr of melamine resin on the basis of said mainfirst solution; 10 to 20 phr of colloidal silica on the basis of said mainfirst solution; 2 to 10 phr of PTFE-based wax on the basis of said mainfirst solution; and 5 to 70 phr of at least one plate-type metallic powder selected from the group consisting of Al, Zn, Mn, Sn, and SnO, wherein said first resin solution is the largest portion of all of the other components individually; and

baking drying said resin-coated steel sheet at 140-250°C.

6. (ORIGINAL) The method of fabricating resin-coated steel sheet of claim 5, wherein thickness of said resin coating is 1-10 μm based on dried coating thickness.

7. (PREVIOUSLY AMENDED) The method of fabricating resin-coated steel sheet of claim 6 wherein the particle size of the PTFE-based wax of said resin solution is 0.1 to 3 μm .

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8. (CURRENTLY AMENDED) The method of fabricating resin-coated steel sheet of claim 7, wherein the ~~particle~~ sizelength of metallic powder of said resin solution along its longest axis is 0.5-5 μm .

9. (TWICE AMENDED) A resin-coated steel sheet for a fuel tank of an automobile comprising a mainfirst waterborne resin solution of water-soluble phenoxy resin having a number average molecular weight of 25,000 to 50,000;

2 to 15 phr of ~~melanine~~melamine resin on the basis of said mainfirst solution;

10 to 20 phr of colloidal silica on the basis of said mainfirst solution;

2 to 10 phr of PTFE-based wax on the basis of said mainfirst solution; and

5 to 70 phr of at least one metallic powder selected from the group consisting of Al, Zn, Mn, Co, Ni,

Sn, and SnO on the basis of said mainfirst
solution and with 0.5 - 5 μm of a particle size of
0.5 - 5 μm along the longest axis, said resin
solution coated in the thickness of 1 - 10 μm
based on dried coating thickness.

wherein said first resin solution is the largest
portion of all of the other components individually.